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(54) Title: CHROMATOGRAPHIC MATERIAL FOR THE ABSORPTION OF PROTEINS AT PHYSIOLOGICAL IONIC STRENGTH

(57) Abstract: Ion exchange and hydrophobic interaction chromatographic materials are constructed by tethering a terminal binding functionality to a solid support via a hydrophobic linker. The backbone of the linker typically comprises sulfur-containing moieties. Suitable terminal binding functionalities are tertiary amines, quaternary ammonium salts, or hydrophobic groups. These chromatographic materials possess both hydrophobic and ionic character under the conditions prescribed for their use. The separation of proteins from crude mixtures at physiological ionic strength can be accomplished with a chromatographic material of this type by applying pH or ionic strength gradients, thereby effecting protein adsorption and desorption.



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